| li | ndex | of Cl | laims |  |
|----|------|-------|-------|--|
|    |      |       |       |  |
|    |      |       |       |  |

| Application No.  | Applicant(s)     |   |
|------------------|------------------|---|
| 09/845,103       | PERKINSON ET AL. |   |
| Examiner         | Art Unit         | _ |
| Douglas B. Blair | 2142             |   |

| √  | Rejected |
|----|----------|
| II | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  | A |
|---|--------------|---|
| _ | Interference | 0 |

| Α | Appeal   |
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| 0 | Objected |

| Clair        | n        | Date          |   |          |          |          |          | Claim Date                                       |          |           |          |          |            | [              | Cla         | aim   | Date    |                   |              |           |          |     |       |            |          |          |          |                   |          |          |                |          |           |
|--------------|----------|---------------|---|----------|----------|----------|----------|--|----------|-----------|----------|----------|------------|----------------|-------------|---|---------|-------------------|--------------|-----------|----------|-----|-------|------------|----------|----------|----------|-------------------|----------|----------|----------------|----------|-----------|
| _            | <u>_</u> |               | 2   |          |          |          | 1        |  |          |           |          |          | <u>.a.</u> |                |             |   |         |                   |              |           |          |     |       | <u> </u>   |          |          |          |                   |          |          |                |          |           |
| Final        | Original | 9/3/04        | 4/17/05   |          |          |          |          |  |          |           |          | Final    | Original   |                | - 1         |   |         |                   |              |           |          |     | Final | Original   |          |          |          |                   | ı        |          |                | ı        | ı         |
| ፲            | õ        | 99            | 74  |          |          |          |          |  |          |           | :::::    | 证        | 5          |                |             |   |         |                   |              |           |          |     | 证     | Ö          |          |          |          |                   |          |          |                |          | ı         |
| $oxed{oxed}$ |          | _             | _   | $\dashv$ |          |          | ऻ_       | ↓  |          | $\bot$    | -        |          | l          | $\sqcup$       | 4           | -   | ╀-      | 4                 | _            | +         | -        | -   |       |            |          |          |          |                   | $\dashv$ | _        |                | 4        | Щ         |
|              | 1        | .\            | <b>√</b>  | $\dashv$ |          | _        | -        | $\vdash$   | ╀        | +         | -        |          | 51         | $\sqcup$       | +           | +   | +       | $\vdash$          | $\perp$      | +         | -        | -   |       | 101        |          | $\dashv$ | $\dashv$ | $\dashv$          |          | _        | $\dashv$       | $\dashv$ | $\dashv$  |
|              | 2        |               | √ /   | 4        |          | <u> </u> |          | -  | ╀        | -         | -        |          | 52         | $\sqcup$       | +           | +   |         | -                 |              | -         | -        | ₽   |       | 102        |          | $\dashv$ | -        |                   | $\dashv$ | _        |                | $\dashv$ | -         |
|              | 3        | $\rightarrow$ | 1   | $\dashv$ |          | _        | ₩        | ╁  | ╀        | +         | -        |          | 53         | $\vdash\vdash$ | $\dashv$    | +   | +       | $\vdash$          | -            |           | -        | ŀ   |       | 103        | $\dashv$ |          | -        |                   |          |          | $\dashv$       |          |           |
|              | 5        |               | ∛   | $\dashv$ | _        |          | ╁        | ╁  | ╀        | +         | -        |          | 54<br>55   | $\vdash$       | $\dashv$    |   | +-      | +                 | -            | +         | -        | ŀ   |       | 104<br>105 | $\dashv$ | $\dashv$ | $\dashv$ | -                 |          |          | $\dashv$       | $\dashv$ | -         |
|              | 6        |               | <del>\</del>                                      | $\dashv$ |          | ┝        | -        | ╁  | ╀        | ╁         | -        | _        | 56         | -              | -           | ┿   | ╁       | +                 | $\dashv$     | +         | -        | ŀ   |       | 106        |          |          | -+       | $\dashv$          | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$  |
|              | 7        | 1             | 1   | -        |          | $\vdash$ | 1        | ╁  | ╁        | +         | -        |          | 57         | H              | $\dashv$    | +   | +       | +                 | -            | +         | $\dashv$ | ⊪   |       | 107        |          | $\dashv$ | $\dashv$ | -                 | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$  |
|              | 8        | <del>1</del>  | i   | $\dashv$ |          | $\vdash$ |          | $\vdash$   | +        | $\dagger$ | 1        |          | 58         | $\vdash$       | $\dashv$    | +   | +       | 1                 | -t           | +         | :::      | 바   |       | 108        | $\dashv$ | $\dashv$ | $\dashv$ | ┪                 | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$  |
|              | 9        | Ť             | Ť   |          |          | $\vdash$ | H        | t  | 十        | $\top$    | 1        |          | 59         | H              | $\dashv$    | $\dashv$  | Ť       | $\vdash$          | <u> </u>     | +         | Ⅎℍ       | ŀ   |       | 109        | $\dashv$ | $\dashv$ | 十        | $\dashv$          | 寸        | $\neg$   | $\dashv$       | $\dashv$ | $\dashv$  |
|              | 10       | 寸             | ┪   | ┪        |          | $\vdash$ | ┢        | <del>                                     </del> | ┰        | +         | 1        | <b></b>  | 60         | H              | +           | $\top$  |         |                   |              | +         | ١!!      | ŀ   |       | 110        | $\neg$   | T        | 寸        | 1                 | $\dashv$ | _        | 寸              | $\dashv$ | H         |
|              | 11       | T             | T   | ヿ        |          | Г        | <u> </u> |  | T        | T         |          |          | 61         | H              | T           | 十   |         | 1                 |              |           | 1        | ij  |       | 111        |          | 1        | $\dashv$ | 1                 | $\neg$   |          | 1              | ヿ        | П         |
|              | 12       | _             |   | _        |          |          | 1        | 1  | T        | $\dagger$ | 1        |          | 62         |                | _           | $\top$  | 1       | $\Box$            |              | $\top$    | 7        | il  |       | 112        |          |          | $\dashv$ | $\dashv$          | $\dashv$ |          | $\neg$         | $\dashv$ | $\dashv$  |
| 7            | 13       | _             |   |          |          |          |          |  |          |           |          |          | 63         |                |             | T   |         |                   |              |           | ]        | ľ   |       | 113        |          |          |          |                   |          |          | $\neg$         |          | $\sqcap$  |
|              | 14       |               |   |          |          |          |          |  |          | I         | ]        |          | 64         |                |             |   | Ι       |                   |              |           | ]!!!     | ľ   |       | 114        |          |          |          |                   |          |          |                |          |           |
|              | 15       |               |   |          |          |          |          |  |          | Ι         | ]        |          | 65         |                | Ⅱ           | I   | I       |                   |              | Ι         | ]        |     |       | 115        |          |          |          |                   |          |          |                |          |           |
|              | 16       |               |   |          |          |          |          |  |          |           | ]        |          | 66         |                | $\Box$      | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |         |                   |              | $oxed{T}$ |          |     |       | 116        |          |          | $\Box$   |                   |          |          |                |          |           |
|              | 17       |               |   |          |          |          |          |  |          |           |          |          | 67         |                |             |   |         |                   |              |           |          | [   |       | 117        |          |          |          |                   |          |          |                |          |           |
|              | 18       |               |   |          |          |          |          |  |          |           | ]        |          | 68         |                |             |   |         | Ш                 |              |           |          |     |       | 118        |          |          |          |                   |          |          |                | $\Box$   |           |
|              | 19       | _             |   | $\Box$   |          |          |          |  | <u> </u> | _         | _        | <u> </u> | 69         | Ш              |             |   |         | $oxed{oxed}$      |              |           | _        | L   |       | 119        | _        |          | _        | _                 |          |          |                |          |           |
|              | 20       | 4             |   | _        |          |          |          | _  |          | _         | _        |          | 70         | Ш              |             |   | _       |                   |              | _         | _        | L   |       | 120        | _        |          | _        | _                 | _        | _        | _              | _        | $\square$ |
|              | 21       |               |   | _        |          |          |          |  |          | _         | _        |          | 71         | Ш              |             |   | _       | $\perp$           | $\dashv$     | _         | _ !!!    |     |       | 121        | _        |          | 4        | _                 | _        | _        | _              | $\dashv$ | $\Box$    |
|              | 22       | 4             |   | _        |          |          | L        | ┖  | <u> </u> | _         | 4        |          | 72         | Ш              |             | _   | $\perp$ | $\perp$           |              | _         | _ !!!    |     |       | 122        |          | _        | _        | _                 | $\Box$   | _        | _              | _        | _         |
|              | 23       | 4             |   | _        | _        |          | _        | _  | ┡        | ┸         | 4        |          | 73         |                | 4           | _   | _       | 1                 |              | 4         | 4        | -   |       | 123        |          |          | _        | _                 |          |          | _              | _        | _         |
| 1            | 24       | _             | _   | _        | _        |          | ┝        | ₩  | ₽        | +         | -        |          | 74         |                | 4           | 4   | +       | $\vdash$          |              |           | -1       | -   |       | 124        | _        |          | 4        | -                 |          |          |                |          | _         |
|              | 25       | _             | _   | _        | _        |          | ⊢        | $\vdash$   | ╀        | +         | -        |          | 75         | Н              | $\dashv$    | +   | +       | $\vdash$          |              | _         | -1       | ŀ   |       | 125        |          | _        | -        | -                 | _        |          |                |          | _         |
|              | 26       | +             | -   | -        | _        |          | ⊢        | ┢  | ╀        | +         | -        |          | 76         | H              | $\dashv$    | +   | +       | +                 |              | -         | -        | ŀ   |       | 126        |          | -        | -        | -+                |          |          |                | $\dashv$ | _         |
|              | 27<br>28 | -             | $\dashv$  | _        | $\dashv$ |          | ├        | ╁  | ┝        | ╀         | -        |          | 77<br>78   |                |             | +   | -       | +                 |              | +         | -        | ŀ   |       | 127        |          | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | _         |
|              | 28<br>29 | -+            | $\dashv$  | ┥        | ᅱ        |          | -        | ⊢  | ┢        | +         | -        | <u> </u> | 79         |                | $\dashv$    | +   | +       | $\vdash$          |              | +         | - :::    | ∦   |       | 128<br>129 | -        | $\dashv$ | $\dashv$ | $\dashv$          |          |          | -              | $\dashv$ |           |
|              | 30       | $\dashv$      | $\dashv$  | -1       | $\dashv$ |          | -        | ⊢  | ⊢        | ╁         | -        |          | 80         | H              | +           | +-  | +-      | ╂                 |              | - -       | -        | ŀ   |       | 130        | $\dashv$ | -+       | -+       | $\dashv$          |          | -        |                | $\dashv$ | $\dashv$  |
|              | 31       | $\dashv$      | $\dashv$  | $\dashv$ | $\dashv$ |          | $\vdash$ | -  | ⊢        | +         | -        | _        | 81         | H              | +           | +   | ╁       | ╁╌┤               | -            | ╁         | -        | ŀ   |       | 131        |          | $\dashv$ | $\dashv$ | -                 | -        | $\dashv$ | -              | $\dashv$ | -         |
|              | 32       | $\dashv$      | $\dashv$  | $\dashv$ | $\dashv$ |          |          |  | $\vdash$ | +         | 1        |          | 82         | $\vdash$       | $\dashv$    | +   | +       | 11                |              | +-        | -        | H   |       | 132        | -        | -+       | -        | $\dashv$          |          | -        | -              | $\dashv$ | _         |
|              | 33       | $\dashv$      | +   | -        | _        |          |          | -  | ┢        | ╁         | 1        |          | 83         |                | $\dashv$    | ┰   | +       | ╁╾┤               | -            | ╅         | -        | ŀ   |       | 133        | $\dashv$ | -        | $\dashv$ | -+                |          | -        | $\dashv$       | $\dashv$ | $\dashv$  |
|              | 34       | $\dashv$      | $\dashv$  | -        | -        | _        |          | <del>                                     </del> | +-       | +         | 1        |          | 84         | $\vdash$       | +           | 十   | +-      | +                 | $\dashv$     | +         | -        | l   |       | 134        | -        | $\dashv$ | $\dashv$ | +                 | ┪        | -        | <del>-</del> † | $\dashv$ | $\dashv$  |
|              | 35       | $\dashv$      | $\dashv$  | ┪        | -        |          | 1        | T  | T        | +-        | 1        |          | 85         |                | $\dashv$    | +   | 1       | $\vdash$          | $\dashv$     | +         | 1        | ŀ   |       | 135        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$          | ┪        | $\dashv$ | 寸              | $\dashv$ | $\dashv$  |
|              | 36       | $\dashv$      | 十   | 7        | $\neg$   | -        |          | 1-   | T        | T         | 1        | <b></b>  | 86         |                | $\dashv$    | +   | +-      | $\vdash$          | 十            | +         | 1        | ŀ   |       | 136        | -        | $\dashv$ | $\dashv$ | $\dashv$          | 寸        | 一        | _              | $\dashv$ | $\dashv$  |
|              | 37       | $\dashv$      | 十   | $\dashv$ |          |          |          |  | T        | T         | 1        |          | 87         | Н              | $\top$      | +   | +-      | $\dagger \exists$ | +            | +         | ۱        | ŀ   |       | 137        | $\dashv$ | $\dashv$ | 寸        | $\dashv$          | $\dashv$ | $\dashv$ | 7              | $\dashv$ | $\dashv$  |
|              | 38       | $\dashv$      | 十   | 1        | $\dashv$ |          | 1        | T  | T        | $\top$    |          |          | 88         | П              | $\top$      | $\top$  | T       | П                 | $\dashv$     | $\top$    | 1        | ľ   |       | 138        | $\dashv$ | $\dashv$ | 寸        | $\dashv$          |          | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$  |
|              | 39       | $\neg$        | $\neg$  | ╗        | 一        |          |          |  |          | T         |          |          | 89         |                | 7           | $\top$  | 1       | П                 | 1            | $\top$    | 1        | ľ   |       | 139        | $\neg$   | 一        | 1        | 寸                 |          | _        |                | $\neg$   | $\dashv$  |
|              | 10       |               | $\Box$  |          |          |          |          |  |          | T         | 1        |          | 90         |                |             |   |         |                   |              |           |          |     |       | 140        |          | $\neg$   | $\Box$   | 寸                 |          |          |                | $\Box$   |           |
| 4            | 11       |               |   |          |          |          |          |  |          | $\prod$   |          |          | 91         |                | I           | I   |         |                   |              | I         |          | [   |       | 141        | $\Box$   |          | $\Box$   |                   |          |          | $\Box$         |          |           |
| 4            | 12       |               |   |          |          |          |          |  |          |           |          |          | 92         |                |             | I   |         |                   |              | T         | ]        |     |       | 142        |          |          |          |                   |          |          |                |          |           |
| 4            | 13       | $\Box$        | $oldsymbol{\perp}$                                |          |          |          |          |  |          |           | <u> </u> |          | 93         |                |             |   |         |                   |              |           | _        |     |       | 143        |          |          |          |                   |          |          |                |          |           |
|              | 14       |               |   |          |          |          |          |  |          |           | ]        |          | 94         |                |             |   |         |                   | $oxed{oxed}$ | $\perp$   | ]        | ::[ |       | 144        |          |          |          | $\Box$            |          |          | $\Box$         |          |           |
|              | 15       |               | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |          |          | L        |  |          |           |          |          | 95         |                |             | $\perp$   |         |                   | $oxed{oxed}$ | $\perp$   |          | i:[ |       | 145        | $\Box$   | $\Box$   |          |                   |          | $\Box$   | $\Box$         | $\Box$   |           |
|              | 16       | $\Box$        | $\Box$  |          |          |          |          | L  | L        |           |          |          | 96         |                | $\prod$     | $oldsymbol{\perp}$                                |         | $\Box$            | $\bot I$     |           |          | ::[ |       | 146        |          | $\bot I$ |          | $oldsymbol{\bot}$ |          | [        | $\Box$         | $\Box$   |           |
|              | 17       | $\perp$       |   |          |          |          |          | <u> </u>   |          |           | 1        |          | 97         |                | $\bot \bot$ | $\perp$   | L       | $oxed{\Box}$      | [_           | Ш.        |          | ::L |       | 147        | $\Box$   | $\bot$   |          |                   |          |          | [              |          |           |
|              | 18       | $\perp$       | _   | $\bot$   | _        | Ш        | <u> </u> | _  | L        | $\perp$   | 4        |          | 98         | Ш              |             |   |         | Ш                 |              |           | 4        | Ľ   |       | 148        | $\perp$  | $\perp$  | $\perp$  | $\perp$           | $\Box$   |          | $\bot$         | $\Box$   |           |
| 4            | 19       | $\perp$       | $\perp$   | $\perp$  |          |          | <u> </u> | _  | L        | $\perp$   | 4        |          | 99         | Ш              | $\perp$     | $\bot$  | $\perp$ | $\sqcup$          |              | $\perp$   | 4        | L   |       | 149        |          |          | _        | _                 | ╛        | _        |                |          |           |
|              | 50       |               |   |          |          |          |          | <u></u>  |          |           |          |          | 100        |                |             | ŀ   | 1       |                   |              |           | 1        |     |       | 150        |          |          |          |                   |          |          |                |          |           |